

ABSTRACT OF THE DISCLOSURE

The number of decoders necessary for 1/2-speed reproduction is reduced and deterioration in resolution is restricted without necessitating an interpolation processing. First digital image signals and second digital image signals having a different frame rate from that of the first digital image signals are compressed on the basis of one same encoding system. Based on a method of rearranging macro blocks of the second digital image signals, the macro blocks of the first digital image signals are rearranged, so that the respective digital image signals compression-encoded and outputted can have macro block layouts equivalent to each other.